BRUHAT BANGALORE MAHANAGARA PALIKE, YELAHANKA ZONE

Executive Engineeer
Byatarayanapura Division
Bruhat Bengaluru Mahanagara Palike

DRAFT TENDER SCHEDULE

Issued to : **Original / Duplicate**

Name of Work: Construction of Additional floor to Samudaya Bhavana building at Hegdenagara Eastern Side in ward no. 06 Jakkuru.

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
1	35.69	Providing and laying in position Cement Concrete for all Foundation works.The granite/trap/basalt crushed graded coarse aggregates and fine aggregatesas per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, costof all materials, quality confirming to the requirements of relevant IS codes,labour, Usage charges of machinery, curing and all the other appurtenancesrequired to complete the work as per technical specifications.. M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates)	Cum	6969.60	Rupees Six Thousand Nine Hundred Sixty Nine and Sixty Paise Only
2	2110.04	Supplying, fitting and placing TMT FE 550 / 550D Steel Reinforcement including cost of all materials, machinery, labour, cleaning, straightening, cutting, bending, hooking, laping/welding joints, tying with binding wire / soft annealed steel wire and other ancilary operations complete as per drawing and technical specification.	Kg	98.40	Rupees Ninety Eight and Forty Paise Only
3	3.16	Formwork , Centering for Columns 70% on Finished Concrete	Cum	5068.80	Rupees Five Thousand Sixty Eight and Eighty Paise Only
4	6.38	Formwork , Centering for Lintel & Beams 60% on Finished Concrete	Cum	4435.20	Rupees Four Thousand Four Hundred Thirty Five and Twenty Paise Only
5	22.71	Formwork , Centering for Roof 70% on Finished Concrete Item	Cum	5068.80	Rupees Five Thousand Sixty Eight and Eighty Paise Only
6	1.58	Formwork , Centering for Chejja 45% on Finished Concrete	Cum	3484.80	Rupees Three Thousand Four Hundred Eighty Four and Eighty Paise Only
7	2.60	Formwork , Centering for Staircase 50% on Finished Concrete	Cum	3231.36	Rupees Three Thousand Two Hundred Thirty One and Thirty Six Paise Only
8	230.22	Providing & constructing load bearing wall with Solid Concrete blocks of size 400x150x200 mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications.	Sqm	1354.10	Rupees One Thousand Three Hundred Fifty Four and Ten Paise Only
9	22.05	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x100x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications..	Sqm	1214.40	Rupees One Thousand Two Hundred Fourteen and Forty Paise Only
10	777.60	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to steel windows by welding.	Kg	184.80	Rupees One Hundred Eighty Four and Eighty Paise Only

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				In Figures	In Words
11	25.92	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item):With float glass panes of 8 mm thickness (weight not less than 20 kg/ m^2) including cost of materials, labour, usage charges of machinery complete as per specifications	Sqm	1435.50	Rupees One Thousand Four Hundred Thirty Five and Fifty Paise Only
12	0.19	Providing Honne wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, usage charges complete as per specifications.	Sqm	151881.40	Rupees One Hundred Fifty One Thousand Eight Hundred Eighty One and Forty Paise Only
13	3.78	Providing and fixing in position fully panelled Honne wood shutters for doors with stiles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and stiles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, usage charges complete as per specifications. (excluding cost of fixtures)	Sqm	8188.40	Rupees Eight Thousand One Hundred Eighty Eight and Forty Paise Only
14	5.04	Providing and fixing 1 mm thick M.S. sheet sliding-shutters, with frame and diagonal braces of 40x40x6 mm angle iron, 3 mm M.S. gusset plates at the junctions and corners, 25 mm dia pulley, 40x40x6 mm angle and T- iron guide at the top and bottom respectively, including applying a priming coat of approved steel primer including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge.	Sqm	5743.10	Rupees Five Thousand Seven Hundred Forty Three and Ten Paise Only
15	5.70	Providing & fixing factory made PVC Door frame of size 50x47mm with a wall thickness of 5mm, made out of extruded 5mm rigid PVC foam sheet metered cut at corners & jointed 2 No.s of 150mm long brackets of 15x15mm M.S Square tube, the entire door frame to be reinforced with 19x19mm M.S Square tube of 19 gauge. The door frame to be fixed to the wall using M.S. Screws of 65/80mm size complete as per manufacturers specification & direction of Engineer-in-charge.	Rmtr	349.80	Rupees Three Hundred Forty Nine and Eighty Paise Only
16	3.78	Providing & fixing 30mm thick factory made rigid foam Prelam Panelled Door Shutters made from M.S. tube of 19x19mm, 19 gauge for stiles and 15x15mm for top & bottom rails, covered with heat moulded Prelaminated PVC C Channel of 5mm thick sheet & 30x50mm wide to form stiles & 5mm thick & 75mm wide Prelaminated PVC Sheets for top rail, lock rail & bottom rail on either side & 5mm thick, 20mm wide cross PVC sheet as gap insert for top rail & bottom rail, Panelling of 5mm thick PVC sheet Prelaminated on either side fitted in the M.S. frame, Sealed to the stiles & rails with PVC Designer beading on either side & joined together with solvent cement adhesive etc., Complete as per manufacturers specification &direction of Engineer-in-charge fixed to frames with 3 nos of 75mm Aluminium hinges.	Sqm	2602.60	Rupees Two Thousand Six Hundred Two and Sixty Paise Only
17	229.88	Providing 20 mm cement plaster of mix :1:4 (1 cement: 4 fine sand) to brick/stone masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per direc- tions of Engineer-in-charge..	Sqm	389.40	Rupees Three Hundred Eighty Nine and Forty Paise Only
18	317.14	Providing 15 mm cement plaster on rough side of single or half brick wall finished with a floating coat of neat cement of mix: 1:4 (1 cement: 4 fine sand) to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge.	Sqm	383.90	Rupees Three Hundred Eighty Three and Ninety Paise Only

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
19	437.60	Providing 12 mm cement plaster with Cement mortar 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge.	Sqm	355.30	Rupees Three Hundred Fifty Five and Thirty Paise Only
20	92.78	Providing and laying Vitrified tiles with thickness 9-10 mm in different sizes with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ m2 including grouting the joint with white cement & matching pigments etc. complete. Size of Tile 600x600 mm	Sqm	1292.50	Rupees One Thousand Two Hundred Ninety Two and Fifty Paise Only
21	48.94	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick bed of cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ m2 including pointing the joints with white cement and matching pigments etc., complete.	Sqm	1086.76	Rupees One Thousand Eighty Six and Seventy Six Paise Only
22	4.68	Providing skirting, dadooing, rises of steps with colour glazed tiles 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough plaster surface using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications.	Sqm	1593.90	Rupees One Thousand Five Hundred Ninety Three and Ninety Paise Only
23	17.21	Providing and laying flooring and steps fine dressed granite stone slabs 40 mm thick on cement mortar bed 1:6, 20 mm thick, and pointed with cement mortar 1:3 over existing cement concrete bed , including cost of materials, mortar, labour, curing complete as per specifications.	Sqm	4736.60	Rupees Four Thousand Seven Hundred Thirty Six and Sixty Paise Only
24	229.88	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade: New work (Two coats applied @ 1.43 ltr/10 m² over and including priming coat of exterior primer applied @ 2.20 kg/10 m²) with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.	Sqm	195.80	Rupees One Hundred Ninety Five and Eighty Paise Only
25	754.74	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade :New work (two coats) over and including water thinnable priming coat with cement primer after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. Qty as same as inside plaster	Sqm	150.70	Rupees One Hundred Fifty and Seventy Paise Only
26	56.88	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :Two coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.	Sqm	183.70	Rupees One Hundred Eighty Three and Seventy Paise Only
27	89.10	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer. E.R.W. tubes including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineerin- Charge.	Sqm	151.80	Rupees One Hundred Fifty One and Eighty Paise Only

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
28	30.00	Supplying heavy gauge PVC conduit pipe ..... dia ..... mm thick confirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc , and fixing using inverted wood plugs in case of RCC ceiling and RCC wall/ stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws.	m	89.10	Rupees Eighty Nine and Ten Paise Only
29	30.00	Supplying heavy gauge PVC Conduit Pipe .... dia ..... mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering upto the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary.	m	85.80	Rupees Eighty Five and Eighty Paise Only
30	6.00	Supplying and fixing PVC/metal conduit Deep junction box 25 mm deep Junction box	Each	61.60	Rupees Sixty One and Sixty Paise Only
31	6.00	Supplying And Fixing Metal Fan Box with Round Hook	Each	128.70	Rupees One Hundred Twenty Eight and Seventy Paise Only
32	6.00	Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 2x1.5Sqmm (Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet .Long point above 6Mtr upto 10Mtr from tapping point to out let via switch	Each	957.00	Rupees Nine Hundred Fifty Seven Only
33	6.00	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:2010 1.5MM2	m	28.60	Rupees Twenty Eight and Sixty Paise Only
34	4.00	Supplying 6A flush type socket and 6 A flush type SP switch either surface/flush mounting in existing gang box or in 4mm thick plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wires as required as per IS 1293 and IS 38546A 3/5 Way	Each	161.70	Rupees One Hundred Sixty One and Seventy Paise Only
35	4.00	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 10-12 Way	Each	350.90	Rupees Three Hundred Fifty and Ninety Paise Only
36	1000.00	Supplying 4mm thick plastic sheet with necessary nitches for fixing switches, regulators etc, and fixing on existing wooden or metal box using N.F. screws	Cum	0.45	and Forty Five Paise Only
37	2.00	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293Stepped Fan Regulator Two Module	Each	392.70	Rupees Three Hundred Ninety Two and Seventy Paise Only
38	5.00	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293.. -6A One Way Switch	Each	198.00	Rupees One Hundred Ninety Eight Only
39	5.00	Supply of round/square recess/surface mounted rolling type LED Down light with ..... W GU 10 LED Lamp Rib Fabricated from diecast aluminium with white powder coated prewired to mains connector & has swivelling unit of aluminium die cast eye ball & LED Lamp position retained by circular wire spring, with Life of 25000 burning hours & 70% lumen maintenance with CRI 80. Power Input: 220-240V @50/60Hz & Power factor 0.9 along with CE approved. 2years Warranty against any manufacturing defect working under standard electrical condition LED square or round down light 15-18W.	Each	1838.10	Rupees One Thousand Eight Hundred Thirty Eight and Ten Paise Only

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
40	2.00	Supplying of Ceiling Fan with Capacitor rating As per guideline of BEE 5 star rating and IS:374/19 and also comply with IS: 1709/1984 with latest amendment, Rated voltage 220 V/50 Hz, Rated power upto 35 W +/- 10 %, Rated current As per IS:374/19, Rated power factor 0.9 lagging(min), Rated speed 350 +/- 10% RPM, Rated air delivery 210 +/- 10% Cubic Meter Minimum, Rated service value 6.2 CMM / W, Three Blades of blade leaf 1.05 mm thick Aluminium Alloy sheet, Class B motor insulation, Bearing Two ball bearings, Top 6202, Bottom 6201, as per IS specification, Motor winding. Temp rise Shall not exceed 75 deg C over and ambient of 40 0C by resistance method at 245 V, Insulation resistance Shall not be less than Two Mega Ohms (2M Ohms), Leakage current Should not exceed 210 Micro Amp, Power input, W& current, Air Delivery & Fan Speed as per IS:374/2019 with latest amendment, 2year manufacturer Warranty. (BLDC fans) 56" Sweep 5 Star (1400 mm)	Each	4129.40	Rupees Four Thousand One Hundred Twenty Nine and Forty Paise Only
41	3.00	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall 15 mm nominal dia pipes	m	339.90	Rupees Three Hundred Thirty Nine and Ninety Paise Only
42	10.00	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall 32 mm nominal dia pipes	m	612.70	Rupees Six Hundred Twelve and Seventy Paise Only
43	2.00	Providing and fixing white vitreous china pedestal type water closetb (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid	Each	5321.80	Rupees Five Thousand Three Hundred Twenty One and Eighty Paise Only
44	5.00	Providing and installing at site of work P.V.C. pipes including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour charges and all lift charges, handling charges including encasing the pipe around to a depth not less than 15 cms with gravel or selected earth available from the excavation etc. complete.90mm(weight of pipe -0.917 kg) .	m	231.00	Rupees Two Hundred Thirty One Only
45	2.00	Providing and fixing white vitreous china wash basin including making all connections but including the cost of fittings.	Each	1800.70	Rupees One Thousand Eight Hundred and Seventy Paise Only

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Executive Engineer
Byatarayanapura Division
BBMP, Bangalore - 92
ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
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Note:

1 Item for which no rate or price has been entered in will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the Bill of quantities (refer: ITB Clause 7.2 and CC Clause 33.2)

2 Unit rates and prices shall be quoted by the Tender in Indian rupees.

3 Where there is a discrepancy between the rate in figures and words the rates in words will govern (ITB Clause 19.1(a)

4 Where there is a discrepancy between the unit rate and the line item total resulting from multyplying the unit rate by quantity the unit rate quoted shall govern (ITB Clause 19.1(b))